F7 / 123 specialty Computer Engineering

Computer engineering is a direction that combines the science and technology of designing, building, implementing and maintaining software and hardware components of modern computing systems and computer equipment

High demand jobs:
- Developer of smart devices
- Developer of software for mobile devices
- Robotics Specialist
- Game and media industry developer
- Internet content developer
- Web Developer and Web Designer
- 3D architect and engineer
- Big Data Analyst
- Machine learning analyst
- Social media analyst
- Cyber security specialist
- Specialist in the development and maintenance of computer systems
- Specialist in the development and maintenance of local and global computer networks

CEP

COMPUTER ENGINEERING

AND PROGRAMMING

Computer Engineering and Programming Department

EDUCATIONAL PROGRAM "Modern programming, mobile devices and computer games"

The competitive offer has **three educational trajectories** (specializations)

- Computer systems and networks
- System programming
- Specialized computer systems

3 levels of education
- bachelor
- master
- postgraduate

Study and skills of future specialists

The most in-demand skills of future specialists:

Creativity

Initiative

Curiosity

epam

softserve

nix SOLUTIONS

GlobalLogic
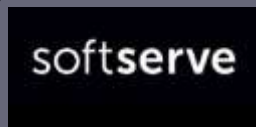
Working with virtual and augmented reality

Cross-industry communication skills (understanding of technologies, processes and market situation in various related and individual industries)

Personal development (learning and self-learning throughout life)

Critical, analytical and systems thinking

Flexibility, ability to work in conditions of high uncertainty and rapid change in working conditions

Digital literacy and technology proficiency

Scientific potential of the department

Scientific schools

1

"Methods of processing and protecting information in computer systems and networks"

Increasing the efficiency of identifying the state of a computer network

2

"Artificial intelligence and computer-aided design systems"

WebRTC and OpenCV project

3

"Decision support in biological and medical systems"

improving the quality of visualization of X-ray images

- ✓ **22 teachers with English level B2**
- ✓ **The number of Scopus publications is more than 25 per year.**
- ✓ **Participation in international research projects, EU Erasmus projects, domestic projects of the National Research Foundation.**

- ✓ **3 scientific schools**
- ✓ **Scientific student groups**
- ✓ **International student internships**
- ✓ **11 Doctors of Science, 25 Candidates of Science, 12 Professors and 18 Associate Professors.**